

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

ag 854 E

Graduate School

1945-46



25th Year

Schedule of Classes

Spring Semester

REGISTRATION—January 21 to February 2

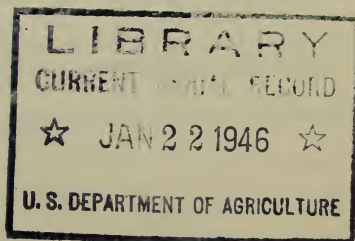
HOURS: 9:00 A.M. to 6:20 P.M.

(1:00 P.M., Saturdays)

SPECIAL HOURS: OPEN UNTIL 8:00 P.M.

on January 24 and February 1

CLASSES BEGIN WEEK OF FEBRUARY 4



UNITED STATES DEPARTMENT OF AGRICULTURE

WASHINGTON • JANUARY • 1946

Time Schedule and Supplement

TO

1945-46 BULLETIN

Complete details, including rules and regulations, policies, and course descriptions, are given in the 1945-46 BULLETIN. Counselors and training officers of your agency have a copy which you may examine. A limited number of these BULLETINS is available for distribution to those who did not receive copies in the fall. Write or call in person. Please do not telephone.

New courses, added for the spring semester since the printing of the 1945-46 BULLETIN, are indicated by an asterisk preceding the course number. Complete course descriptions are given on page 7.

New instructors, not listed in the faculty directory in the BULLETIN, are indicated by an asterisk after the name. Pertinent data are shown on page 8.

Classes begin during week of February 4.

Registration: January 21 to February 2 (Room 1031, South Building, Department of Agriculture). Classes begin week of February 4. No one will be registered for credit after February 15, except with special permission of instructor and Registrar. A late registration fee of \$1.00 per course will also be charged after February 15. Registration closes in a course when the maximum for that class is reached.

Refund of fees, less \$3.00 registration fee, may be granted in case of withdrawal before 6:20 p.m., February 15. After this date no refunds will be approved unless the student is compelled to leave Washington because of official governmental action.

Counseling on courses and programs of study will be available by representatives of the major departments from 5:30 to 6:30 p.m., January 21 to 25. At other times, members of the School staff will be glad to assist students in planning their work.

Textbooks may be purchased in Room 1041, South Agriculture Building, from 4:30 to 6:20 p.m., January 28 through February 22.

Graduate School, Department of Agriculture
Washington 25, D. C.

Please send me your 1945-46 BULLETIN. (Fall requests will not be duplicated.)

Name.....

Street.....

City..... Zone
No.....

☐ Check here if you also wish a special graduate bulletin
(for graduate students only).

Explanation: Basic information about each course is given in the following order: course number, title, instructor, day and hour of class meeting, fee, and page of 1945-46 Bulletin on which description may be found.

BIOLOGICAL SCIENCES

- 209. Systematic Botany (Blake) M 6-8 \$12 p. 15
- 559. Medical and Veterinary Entomology (Bishopp) M 6-8 \$14 p. 15
- 575. Development of Genetics (Ellinger) M 6-8 \$14 p. 15
- 784. Genetics Seminar (Ellinger) M 8-10 \$14 p. 15

ENGINEERING AND MECHANICAL ARTS

- 192. Basic Photography (Hanson) M 6-8 \$12 p. 17
- 193. Applied Photography (Purdy) \$12 and \$2 laboratory fee p. 17
 - Sec. I M 6-8
 - Sec. II W 6-8
- *196. Color Photography (Purdy) F 6-9 \$18 and \$5 laboratory fee
- 177. Aerodynamics (Koneczny) F 6-8 \$12 p. 18
- 180. Basic Mechanical Drawing (Wiemer)* Tu-Th 6-8 \$20 p. 18
- 181. Architectural Drafting (Wiemer)* Tu-Th 6-8 \$20 p. 18
- 182. Mechanical Drafting (Wiemer)* Tu-Th 6-8 \$20 p. 19
- 184. Aerial Photogrammetry (Ask) Tu-Th 6-8 \$24 p. 19
- 185. Pencil Sketching and Freehand Drawing (Cadmus) M-W 6-8 \$15 p. 19
- 195. Drawing for Portraiture and Illustration (Lazzari) M-W 6-8 \$15 p. 19
- 186. Interior Decoration (Garrels) \$6 p. 20
 - Sec. I (First half) W 6-7
 - Sec. II (Second half) W 7-8
- 188. Glass Blowing (Clark) M-W 6-7:30 \$20 p. 20
- 190. Textile Design and Fabric Development (Baldwin)* M 7-9 \$12 p. 20

LANGUAGES AND LITERATURE

- 222a. Composition and Rhetoric (Miller) Tu 6-9 \$18 p. 22
- 222b. Composition and Rhetoric (Greene) M 6-9 \$18 p. 23
- 223. Descriptive English Grammar (Ward) M 7-9 \$12 p. 23
- 224. Creative Writing (Holt) Tu 6-8 \$12 p. 23
- 237. Government Printing Procedure (Frankewich) F 7-8 \$6 p. 23
- 226b. Writing for Official Purposes (Thone) M 6-8 \$12 p. 24
- 229. Effective Speaking (Provinsen) W 6-8 \$12 p. 24
- 232. Voice and Remedial Speech (Emery) Tu 6-8 \$12 p. 24
- 566. Advanced Diction for Executives (Beauchamp) W 6-8 \$14 p. 24
- 326. Parliamentary Procedure (Beauchamp) F 6-8 \$12 p. 25
- 43. Personal Development (Provinsen) Tu 6-8 \$12 p. 25
- 327. Current Books (Roberts) Th 6-7:30 \$6 p. 25
- 233b. Elementary Arabic (Tannous) F 6-8 \$12 p. 26
- 238b. Elementary Chinese (Tsiang) Tu-Th 6-8 \$24 p. 26

- 253b. Elementary French (Humphrey) M-Th 6-7:30 \$18 p. 27
- 255b. Conversational French (Longi)* Tu 6-9 \$18 p. 27
- 259b. Elementary German (Ponti) Th 6-9 \$18 p. 27
- 260b. Intermediate German (Lederer) Th 6-9 \$18 p. 27
- 270b. Elementary Italian (Rossetti) W 6-9 \$18 p. 27
- 275b. Elementary Japanese (Yoshioka) Tu-Th 6-7:30 \$18 p. 27
- 290b. Elementary Portuguese (D'Eca) Th 6-9 \$18 p. 28
- 295a. Elementary Russian \$18 p. 28
 Section I (Tarakus) F 6-9
 Section II (Schuler) M 6-9
- 295b. Elementary Russian \$18 p. 28
 Section I (Von Bretzel) Tu 6-9
 Section II (Tarakus) W 6-9
- 296a. Intermediate Russian (Saharov) Tu 6-9 \$18 p. 28
- 296b. Intermediate Russian (Von Bretzel) F 6-9 \$18 p. 28
- 297b. Conversational Russian (Saharov) W 6-9 \$18 p. 28
- 300a. Elementary Spanish \$18 p. 28
 Section I (Abella) M 6-9
 Section II (Parsons) W 6-9
- 300b. Elementary Spanish \$18 p. 28
 Section I (Abella) Tu 6-9
 Section II (Batista) W 6-9
- 301a. Intermediate Spanish (Lever) F 6-9 \$18 p. 28
- 301b. Intermediate Spanish (Brown) M 6-9 \$18 p. 28
- 302b. Spanish Conversation and Literature (Giro) M 6-8 \$12 p. 29
- *574b. Advanced Spanish Conversation and Literature (Giro) Th 6-8 \$14

MATHEMATICS AND STATISTICS

103. Trigonometry and Analytic Geometry (Graves) M 6:30-8:30 \$12 p. 34
107. Survey of College Mathematics (Schell) Th 6-9 \$18 p. 35
500. Advanced Calculus (Cook) W 6:30-9:30 \$21 p. 35
704. Interpolation, Approximation, and Mechanical Quadrature (Winston) Th 6-8 \$14 p. 35
706. Analytical Mechanics (Cook) Th 6:30-9:30 \$21 p. 36
708. Linear Algebra (Girshick) Tu 6-9 \$21 p. 36
123. Survey of Statistics (Weiss) Tu 7-10 \$18 p. 36
- 127a. Introduction to Statistical Analysis (Steinberg) W 6-8 \$12 p. 37
- 127b. Introduction to Statistical Analysis (Purves) W 6-8 \$12 p. 37
516. Intermediate Statistics (Tepping) Th 6-8 \$14 p. 37
518. Machine Tabulation¹ (Kaufman) W 7-9 \$9 p. 37
519. Advanced Study of Tabulating Equipment¹ (Kaufman) F 7-9 \$9 p. 38
733. Theory of Sampling (Cornfield, Evans) M 6-8 \$14 p. 39
735. Theory of Sample Surveys (Madow, Hurwitz) W 7:30-9:30 \$14 p. 39
741. Theory and Application of the Characteristic Function (Jacobs)* F 8-10 \$14 p. 39
- *751. Sequential Analysis of Statistical Data: Theory and Applications (Girshick) Tu 6-9 \$21

¹ Given at International Business Machine Corp., 1111 Connecticut Avenue.

OFFICE TECHNIQUES AND OPERATIONS

408. Administrative Procedure (Evans) W 6-8 \$12 p. 41
410. Federal Auditing Procedure (Cruikshank) M 6-8 \$12 p. 41
411. Auditing Procedure (Cruikshank) Tu 6-8 \$12 p. 42
412. Federal Accounting Procedure (Grant) F 6-8 \$12 p. 42
413. Office Management (Braum) M 6-8 \$12 p. 42
414. Federal Personnel Procedure (Mohagen) M 6-8 \$12 p. 43
416. Federal Budgetary Procedure (Wells* and specialists) M 6:30-8:30 \$12 p. 43
418. Practical English Usage (Williams) F 6-8 \$12 p. 43
419. Vocabulary Building (Bryan)* M 6-8 \$12 p. 44
420. Government Letter Writing (Samson) F 6-8 \$12 p. 44
89. Review of Gregg Shorthand (Evans) Tu-F 6-7:30 \$18 p. 45
429. Beginning Gregg (Bolton) M-Tu-Th 6:30-7:30 \$18 p. 45
430. Intermediate Gregg (Patrick) Tu-Th 6:30-8 \$18 p. 45
431. Gregg, 70 to 100 Words (Coffman) Tu 6-8 \$12 p. 46
432. Gregg, 100 to 130 Words (Patrick) W 6:30-8:30 \$12 p. 46
436. Advanced Reporting—Gregg, 175 Words and Up (Foote) M-Th 7-9 \$24 p. 46
439. Advanced Shorthand in Spanish (Krissillas) F 6-8 \$12 p. 46

PHYSICAL SCIENCES

147. General (Inorganic) Chemistry (Carter) F 6-8 \$12 p. 47
148. Organic Chemistry (Bowen) Th 6-8 \$12 p. 48
149. Physical Chemistry (Hamer) Tu 6-8 \$12 p. 48
522. Physiological Chemistry (Johnston)* W 6-8 \$14 p. 48
151. Geography of the Pacific Islands (Fosberg) Th 6-8 \$12 p. 49
526. Advanced Physical Metallurgy (Loring) W 6-8 \$14 p. 49
162. Principles of Meteorology (Johnson) Tu 6-8 \$12 p. 51
533. Hydrology (Linsley) Tu 6-9 \$21 p. 51
534. Introduction to Dynamic Meteorology (Teweles) F 6-8 \$14 p. 51
536. Physical and Synoptic Meteorology (Shands) M-W 6-7:30 \$21 p. 51
153. Introductory College Physics (Kilgore) Tu-F 6:30-8:30 \$18 and \$3 laboratory fee p. 51

PUBLIC ADMINISTRATION

344. Introduction to Public Administration (Russell) M 6:30-9:30 \$18 p. 58
617. Administrative Law and Procedure (Flavin)* W 6-8 \$14 p. 59

- 624. **Organizational and Procedural Analysis** (Stone,* Loftus*) F 6-8 \$14 p. 59
- 661. **Personnel Administration** (Stahl) Tu 6:30-8:30 \$14 p. 59
- 842. **Personnel Administration** (Couch)* M 6-8 \$14 p. 60
- 659. **Position Classification** (Hill) M 6-8 \$14 p. 60
- 843. **Advanced Position Classification** (Buckley) M 6-8 \$14 p. 60
- 631. **Employee Relations and Counseling** (Kraus)* F 7-9 \$14 p. 60
- 636. **Budgetary and Financial Administration: Budget Execution** (Lewis) Th 6-8 \$14 p. 61
- 637. **Governmental Purchasing** (Snyder, Knudsen) F 6-8 \$14 p. 61
- 638. **Surplus Property and Reconversion** (J. R. Wilson) W 6-8 \$14 p. 62
- 352. **Principles of Accounting—First half** (Rowe) M-W 6-7 lecture, M 7-9 laboratory \$18 p. 62
- 352. **Principles of Accounting—Second half** (Dye) Tu-Th 6-7 lecture, Tu 7-9 laboratory \$18 p. 62
- 353. **Second Year Accounting** (Hord) M 6-9 \$18 p. 63
- 354. **Federal Government Accounting** (Mason) W 6-9 \$18 p. 63
- 643. **Auditing** (Dye) F 6-9 \$21 p. 63
- 646. **Advanced Accounting Problems** (Acker)* F 6-9 \$21 p. 63

SOCIAL SCIENCES

- 328. **Principles of Economics** (Thomsen) Tu 6-9 \$18 p. 67
- 813. **Seminar in International Financial and Trade Policies** (Zaglits) Th 6-8 \$14 p. 68
- 579. **Research Methodology in Economics** (Wermel) W 6-8 \$14 p. 68
- 597. **History of Economic Thought** (Wasserman) W 7-10 \$21 p. 68
- 809. **Price Analysis** (Thomsen) Th 6-9 \$21 p. 68
- 810. **Economics of Imperfect Competition** (Wermel) M 7-9:30 \$21 (18 wks.) p. 69
- 832. **Problems of Reconstruction and Full Employment** (Ezekiel) Th 6-8 \$14 p. 69
- 581. **Comparative World Agriculture** (Whipple) W-F 6-7:30 \$21 p. 70
- 688. **Current Land Policies** (Johnson, Timmons) Tu 6-8 \$14 p. 70
- 667. **Problems and Policies in Agricultural Marketing** (Been) M 6:30-8:30 \$14 p. 71
- 668. **Agricultural Cooperation** (Fetrow, Hedges) Th 6-8 \$14 p. 71
- 593. **Labor and Social Legislation** (Ziskind) M 6-8:30 \$21 (18 wks.) p. 72
- *341. **American National Government** (Waldo)* Th 6-8 \$12
- 607. **Problems of International Government** (Linebaugh)* W 6-8 \$14 p. 73
- 608. **World Politics** (Foster)* Th 6-8 \$14 p. 73
- 600. **Contemporary Russia** (Tereshtenko) W 7-9 \$14 p. 73
- 606. **Philippine Reconstruction** (Ruiz) F 6-8 \$14 p. 73

669. **Contemporary Japan** (Yoshioka) F 6:30-8:30 \$14 p. 74
342. **The Conditions of Personality Growth** (Chapman) W 7-9 \$12 p. 74
591. **Rural Social Psychology** (Taylor, Schuler) M 6-9 \$14 p. 74
611. **La America Latina y los Estados Unidos** (Green) M 6-8 \$14 p. 75
817. **Community Organization** (Ensminger, Longmore) Tu 6-9 \$21 p. 75
601. **Traffic Management** (Fuller) Tu 6-9 \$21 p. 76
653. **Fundamentals of Freight Rates, Tariffs and Services** (Perrin)* Th 6-9 \$21 p. 76
795. **Extension Thesis** (M. C. Wilson) By special arrangement \$3 p. 76
796. **Extension Education** (Frutchey) Limited to foreign interns p. 77

NEW COURSES

196. **Color Photography**

Spring, 3 credits

ELBRIDGE C. PURDY

Limited to 12 students

A lecture and laboratory course dealing with the basic theories of color reproduction and its application to color photography. Laboratory work in making color photographs. Topics covered: spectral transmission of filters; sensitivity of emulsions; color separations, color printing processes; multilayer film and printing materials; dye processes.

Prerequisite: Applied Photography.

574^b. **Advanced Spanish Conversation and Literature**

Spring, 2 credits

ENRIQUE A. GIRO

Limited to students with four years in Spanish, including a course in conversation or its equivalent.

341. **American National Government**

Spring, 2 credits

C. DWIGHT WALDO

History and origins of the national government of the United States; the political process—parties and elections; the legislative process; the functions of the national government and their administration; courts and judicial review of legislation.

751. **Sequential Analysis of Statistical Data: Theory and Applications**

Spring, 3 credits

M. A. GIRSHICK

General concept of sequential analysis and comparison with classical statistical techniques. Theory of cumulative sums of random variables. The Fundamental Identity. The Probability Ratio Test and its efficiency. Derivation of the Operating Characteristic Curve. Distribution of the sample size required to reach a decision. Sequential estimation. Application of sequential analysis to many practical problems, including acceptance inspection.

Prerequisite: Differential Calculus and Intermediate Statistics.

646. **Advanced Accounting Problems**

Spring, 3 credits

CHARLES J. GAA

This course is intended to furnish a coverage of miscellaneous accounting problems for general review or CPA examination review purposes. It will include financial statements, municipal (fund) accounting, corporation accounting, partnership accounting; consolidation intercompany accounting; company accounting; accounting theory and other processes of accounting. Principal emphasis in the course will be placed on the working of problems at home and in class. Class discussion of these problems will be held, and loose leaf solutions will be distributed after the problems have been worked and discussed. Supplemental reading on the subject matter of the problems will be done by the student for his own benefit and at his own option.

NEW INSTRUCTORS

- WALTER BALDWIN, JR., Diploma, Philadelphia Textile Institute. Price Analyst, Cotton Section, Consumer Goods Price Branch, Office of Price Administration. (Engineering and Mechanical Arts)
- MARIE D. BRYAN, M.A., Maryland. Instructor in College of Education and College of Arts and Sciences, University of Maryland. (Office Techniques and Operations)
- VIRGIL L. COUCH, B.S., Kentucky. Chief Personnel Officer, Farm Security Administration, USDA. (Public Administration)
- THOMAS J. FLAVIN, LL.B., Georgetown University School of Law. Judicial Officer, Assistant to the Secretary of Agriculture. Taught in Georgetown University College of Arts and Sciences. (Public Administration)
- H. SCHUYLER FOSTER, Ph.D., Chicago. Public Opinion Analyst, Division of Public Liaison, State Department. Taught in Ohio State University, West Virginia University, Harvard University, Massachusetts Institute of Technology, University of Chicago. (Social Sciences)
- LAWRENCE W. ACKER, C.P.A. Office of Budget and Finance, Chief, Division of Corporate Fiscal Service, USDA. Taught in Tyler Commercial College (Public Administration).
- WALTER W. JACOBS, M.A., George Washington. Technician Third Grade, USA. (Mathematics and Statistics)
- CARTER D. JOHNSTON, Ph.D., Chicago. Biochemist, Division of Pharmacology, Food and Drug Administration, USDA. (Physical Sciences)
- ASTRID W. KRAUS, M.A., Radcliffe. Assistant Chief, Employee Relations Branch, Office of Personnel, Office of Price Administration. Taught in Greenwich Academy. (Public Administration)
- DAVID LINEBAUGH, M.A., Fletcher School of Law and Diplomacy. Country Specialist, British Commonwealth Division, Department of State. (Social Sciences)
- JOSEPH P. LOFTUS, A.B., St. Mary's. Administrative Analyst, Division of Fiscal Management, Office of Budget and Finance, USDA. (Public Administration)
- OLGA LONGI, Ph.D., Johns Hopkins. Formerly head of French Department, Dumbarton College. Taught in Dumbarton, University of Rochester, Adelphi, and Wellesley. (Languages and Literature)
- JAMES FRANK PERRIN, LL.B., National. Assistant General Counsel, Office of Defense Transportation. (Social Sciences)
- HAROLD A. STONE, M.S., Syracuse. Chief, Division of Fiscal Management, Office of Budget and Finance, USDA. Taught in Tulane University. (Public Administration)
- C. DWIGHT WALDO, Ph.D., Yale. Administrative Analyst, Government Organization Branch, Bureau of the Budget. (Social Sciences)
- JOHN L. WELLS, Assistant to the Director of Finance, Office of Budget and Finance, USDA. (Office Techniques and Operations)
- LEO G. D. WIEMER, Architect, Office of Supervising Architect, Public Buildings Administration. (Engineering and Mechanical Arts)